

Excitation of Electrostatic Ionic-
Cyclotron Oscillations by a Transverse
Current, by A. A. Ivanov.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys.,
Vol 201, No 3, November 1971, pp 567-569.
Am Inst of Phys
Vol 16, No 11, May 1972

May 72

New Type of Symmetry Forming the Basis
of Physical Theories of the
Phenomenological Type, by Yu. I. Kulakov.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys.,
Vol 201, No 3, November 1971, pp 570-572.
Am Inst of Phys
Vol 16, No 11, May 1972

May 72

Molecular Mechanism of Polymorphic
Transitions, by Yu. V. Mnyukh.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys.,
Vol 201, No 3, November 1971, pp 573-576.
Am Inst of Phys
Vol 16, No 11, May 1972

May 72

Electromagnetic Waves in a Slightly
Nonstationary Plasma, by N. S. Stepanov.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys.,
Vol 201, No 3, November 1971, pp 577-579.
Am Inst of Phys
Vol 16, No 11, May 1972

May 72

Determination of the Radiation Pattern
of a Receiving Antenna by Means of a
Source in the Fresnel Zone Using
Holography and Optical Processing, by
L. D. Bakhrakh.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys.,
Vol 201, No 3, November 1971, pp 580-582.
Am Inst of Phys
Vol 16, No 11, May 1972

May 72

Heat of Fusion of Vanadium, by
B. Ya. Berezin.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys.,
Vol 201, No 3, November 1971, pp 583-585.
Am Inst of Phys
Vol 16, No 11, May 1972

May 72

Discharge of an Inductive Coil Into a
High Resistance, by Yu. A. Dreizin.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys.,
Vol 201, No 3, November 1971, pp 595-597.
Am Inst of Phys
Vol 16, No 11, May 1972

May 72

Mechanism of the Radiation-Chemical
Oxidation of Hexavalent Plutonium to
Heptavalent in Alkaline Aqueous
Solutions, by F. A. Zakharova.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys
Chem., Vol 201, No 3, November 1971,
pp 636-638
CB

June 72

Structure of the Phase Diagram of
the System In-Sb at High Pressure,
by I. I. Kornilov.

RUSSIAN, per, Dok Ak Nauk SSSR. Phys
Chem., Vol 201, No 3, November 1971,
pp 639-642
CB

June 72

An Investigation of the Mechano-
chemical Phenomena in Processes
of Boundary Friction, by

R. F. Kokhan.

RUSSIAN, per, Dokl. Ak. Nauk SSSR, Phys
Chem., Vol 201, No 3, November 1971,
pp 643-646

CB

June 72

Influence of Nonretarding Molecular
Forces on the Coagulation and
Condensation Growth of Particles
of Highly Disperse Aerosols, by
A. G. Surugin.
RUSSIAN, per, Dok Ak Nauk SSSR. Phys
Chem., Vol 201, No 3, November 1971,
pp 647-650
CB

June 72

Measurement by the Jet Method of the
Rate of Movement of Water Drops in
Mixtures of Air and Water Vapor
Nonuniform With Respect to Temperature
and Concentration, by B. V. Deryagin.
RUSSIAN, per, Dok Ak Nauk SSSR,
Chem Tech., Vol 201, No 3, 1971,
pp 651-654.
OB

June 72

Mechanism of Acetylenic Derivatives of
Anabasine and Piperidine in the Corrosion
of Carbon Steel in Acids, by

A. S. Sadykov.

RUSSIAN, per, Dok Ak Nauk SSSR.

Chem. Tech., Vol 201, No 3, 1971,
pp 655-657.

CB

June 72

Kinetics of the Albitisation of
Microcline Under Supercritical
Conditions, by N. F. Chelishchev.
RUSSIAN, per, Dok Ak Nauk SSSR,
Chem Tech., Vol 201, No 3, 1971,
pp 658-660.
CB

June 72

Mitotic-Apparatus Protein Synthesis
in a Fibroblast Culture From the
Chinese Hamster, by V. V. Kazan'ev.
RUSSIAN, per, Dok Ak Nauk SSSR. Biol Sci.,
Vol 201, No 3, November 1971,
pp 711-713.
CB

June 72

Electron Microscope Study of Iron -
Manganese Concretions From Lake
Punnus-Yarvi, by G. A. Dubinina.
RUSSIAN, per, Dok Ak Nauk SSSR, Biol Sci.,
Vol 201, No 3, November 1971, pp 714-716,
CB

June 72

Mechanism of Transport of n-Paraffins
Into Yeast Cells, by V. V. Rachinskii.
RUSSIAN, per, Dok Ak Nauk SSSR. Biol Sci.,
Vol 201, No 3, November 1971, pp 717-720.
CB

June 72

Light-Induced Potentials in Human
Visual Cortex, by A. I. Bogoslovskii.
RUSSIAN, per, Dok Ak Nauk SSSR. Biophys.,
Vol 201, No 3, November 1971,
pp 721-723.
CB

July 72

An X-Ray Diffraction Investigation
of the Structure of Heart Muscle,
by L. L. Razumova.
RUSSIAN, per, Dok Ak Nauk SSSR. Biophys.,
Vol 201, No 3, November 1971,
pp 724-727.
CB

July 72

Mechanism of Regulation of Diffusing
Capacity of Lungs, by M. A. Khanin.
RUSSIAN, per, Dok Ak Nauk SSSR. Biophys.,
Vol 201, No 3, November 1971,
pp 728-730.
CB

July 72

A Possible Interpretation of the
Results of Experiments on the Effect
of Ionizing Radiation on the Protein-
SYN synthesizing System (SYN Synthesis of
Milk Proteins in the Lactating
Mammary Gland), by I. I. Ivanov.
RUSSIAN, per, Dok Ak Nauk SSSR. Biochem.,
Vol 201, No 3, November 1971,
pp 731-732
CB

June 72

Effects of Ethanolamine and Serine
Phosphatides on Individual Steps
of the Blood-Clotting System, by
K. G. Karagezyan.
RUSSIAN, par, Dok Ak Nauk SSSR, Biochem.,
Vol 201, No 3, November 1971,
pp 733-736
CB

June 72

Heterogeneity and Polymorphism of
Serum Albumins of Fish, by
V. I. Luk'yanenko.
RUSSIAN, per, Dok Ak Nauk SSSR. Biochem.,
Vol 201, No 3, November 1971,
pp 737-740
CB

June 72

Investigation of the Connection
Between Photooxidation of Hydroxylamine
and Photophosphorylation in Isolated
Chloroplasts, by E. N. Tsenova.
RUSSIAN, per, Dok Ak Nauk SSSR. Biochem.,
Vol 201, No 3, November 1971,
pp 741-743
CB

June 72

Absorption Spectrum of Myoglobin in
the Far Infrared, by Yu. N. Chirgadze.
RUSSIAN, per, Dok Ak Nauk SSSR. Biochem.,
Vol 201, No 3, November 1971,
pp 744-746
CB

June 72

Use of the Water-Soluble Carcinogen
Auramine-00 to Induce Cell Hypertrophy
in Seedlings of Flowering Plants and
Prevention of Such Hypertrophy With
Actinomycin D, by E. I. Slepian.
RUSSIAN, per, Dok Ak Nauk SSSR. Bot Sci.,
Vol 201, No 3, November 1971, pp 747-750.
CB

June 72

Structure and Function of Digital
Flexor Muscles of the Foot in Perching
Birds (Passeriformes), by Z. Ametov.
RUSSIAN, per, Dok Ak Nauk SSSR. Biol Sci.,
Vol 201, No 3, November 1971, pp 751-753.
CB

June 72

Effect of the Products of Enzymatic
Conversion of Tryptamine on Fertilized
Sea Urchin Ovicells, by L. N. Markova.
RUSSIAN, per, Dok Ak Nauk SSSR. Biol Sci.,
Vol 201, No 3, November 1971, pp 754-757.
CB

June 72

Synthesis of DNA, RNA, and Protein in
the Liver of Partially Hepatectomized
Rabbits at Different Stages of
Thyroid Toxicosis, by E. F. Panachin.
RUSSIAN, per, Dok Ak Nauk SSSR. Biol Sci.,
Vol 201, No 3, November 1971, pp 758-760.
CB

June 72

Prime Testers, by N. N. Aisenberg.
RUSSIAN, per, Dok Ak Nauk SSSR. Sov Phys,
Vol 201, No 4, December 1971,
pp 801-802.
Am Inst of Phys
Vol 16, No 12, June 1972

July 72

Synthesis of Optimal and Quasioptimal
Automatic Control Systems, by
R. A. Nelepin, *SAP*
RUSSIAN, per, Dok Ak Nauk SSSR. Sov Phys.
Vol 201, No 4, December 1971,
pp 803-805.
Am Inst of Phys
Vol 16, No 12, June 1972

JPRS 55252

July 72

Determining the Form of a Plasma
Emitter in an Accelerating Electric
Field, by B. I. Volkov.
RUSSIAN, per, Dok Ak Nauk SSSR. Sov Phys,
Vol 201, No 4, December 1971,
pp 806-808.
Am Inst of Phys
Vol 16, No 12, June 1972

July 72

Milne Problem for Polarized Radiation
With Nonconservative Rayleigh
Scattering, by M. G. Kuz'mina.
RUSSIAN, per, Dok Ak Nauk SSSR. Sov Phys,
Vol 201, No 4, December 1971,
pp 809-812.
Am Inst of Phys
Vol 16, No 12, June 1972

July 72

Dislocations in an Elastic Cylinder,
by I. M. Rapoport.
RUSSIAN, per, Dok Ak Nauk SSSR. Sov Phys,
Vol 201, No 4, December 1971,
pp 813-816.
Am Inst of Phys
Vol 16, No 12, June 1972

July 72

Measurement of Hydromagnetic Waves as
a Method of Determining the Rest Mass
of the Photon, by M. A. Gintsburg.
RUSSIAN, per, Dok Ak Nauk SSSR. Sov Phys.
Vol 201, No 4, December 1971,
pp 817-819.
Am Inst of Phys
Vol 16, No 12, June 1972

July 72

Instability of the Uniform Steady
State of a Semiconductor Due to the
Thermal Deformation of its Forbidden
Band, by P. M. Karageorgii-Alkalaev.
RUSSIAN, per, Dok Ak Nauk SSSR. Sov Phys,
Vol 201, No 4, December 1971,
pp 820-822.
Am Inst of Phys
Vol 16, No 12, June 1972

July 72

Combining the Quasistatic and Impact
Approximations in the Theory of
Hydrogen Line Broadening in a Plasma,
by V. S. Lisitsa.
RUSSIAN, per, Dok Ak Nauk SSSR. Sov Phys.
Vol 201, No 4, December 1971,
pp 823-826.
Am Inst of Phys
Vol 16, No 12, June 1972

July 72

Stability of the Model of a Globular
Cluster With Nonzero Angular Momentum,
by V. S. Synakh.
RUSSIAN, per, Dok Ak Nauk SSSR. Sov Phys,
Vol 201, No 4, December 1971,
pp 827-830.
Am Inst of Phys
Vol 16, No 12, June 1972

July 72

Formation of Pores During Peritectic
Crystallization, by Ya. V. Grechnyi.
RUSSIAN, per, Dok Ak Nauk SSSR. Sov Phys,
Vol 201, No 4, December 1971,
pp 831-832.
Am Inst of Phys
Vol 16, No 12, June 1972

July 72

Investigation of Radio Emission
Parameters in Breakdown of Solid-
Polymer Adhesion, by L. A. Tyurikova.
RUSSIAN, per, Dok Ak Nauk SSSR. Sov Phys,
Vol 201, No 4, December 1971,
pp 833-836.
Am Inst of Phys
Vol 16, No 12, June 1972

July 72

*Studying microwave radiation of the cultivated earth's
surface by the Cosmos-243 Satellite, by G. M. Belyakova.
RUSSIAN, per, Doklady Akademiy Nauk SSSR, Vol 201, No 4,
1971, pp 837-839
NASA TT F 14,174*

max 72

New (Probabilistic) Approach to the
Patterson Function, by V. V. Ilyukhin.
RUSSIAN, per, Dok Ak Nauk SSSR, Sov Phys,
Vol 201, No 4, December 1971,
pp 843-846.
Am Inst of Phys
Vol 16, No 12, June 1972

July 1972

The Dimensions of a Hydrogen Atom in
Semiconductors and Dielectrics, by
D. G. Andrianov.
RUSSIAN, per, Dok Ak Nauk SSSR. Phys. Chem.,
Vol 201, No 4, December 1971, pp 884-886.
GB

June 72

The Catalytic Activity of Copper-
Containing Zeolites With Respect to
the Oxidation of CO, by G. K. Borekov.
RUSSIAN, per, Dok Ak Nauk SSSR. Phys Chem.,
Vol 201, No 4, December 1971,
pp 887-890.
CB

June 72

Information Properties of Thin Layers
of Adsorbed Water, by G. I. Distler.
RUSSIAN, per, Dok Ak Nauk SSSR. Phys Chem.,
Vol 201, No 4, December 1971, pp 891-893.
GB

June 72

Metastable Structural States in the
Dissociation of Solid Solutions in the
Alloys Co-Be and Co-Be-Ta, by
M. I. Zakharova.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem.,
Vol 201, No 4, December 1971, pp 894-896.
CB

June 72

Chemical Polarization of Nuclei in the
Products of Certain Reactions of
Diazo Compounds and the Mechanism of
These Reactions, by A. F. Levit.
RUSSIAN, per, Dok Ak Nauk SSSR. Phys. Chem.,
Vol 201, No 4, December 1971,
pp 897-900.
CB

June 72

Spectroscopic Investigation of Intermediate Active Particles Which Have Been Stabilized in Inert Matrices
Chemical Reactions, by A. K. Mal'tsev.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem.,
Vol 201, No 4, December 1971, pp 901-904.
CB

June 72

Structural Micrononuniformities in
Liquid Metals, by I. A. Novokhatskii.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem.,
Vol 201, No 4, December 1971, pp 905-908.
CB

June 72

Effect of the Conditions of Crystalliza-
tion and Electrolysis on the Optical
Properties of Calcite, by V. M. Sergeev.
RUSSIAN, per, Dok Ak Nauk SSSR. Phys Chem.,
Vol 201, No 4, December 1971,
pp 909-912.
CB

June 72

Forms of Adsorbed and Structural Water
on Surfaces of Dispersed Silicas, by
V. A. Tertykh.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem.,
Vol 201, No 4, December 1971, pp 913-916.
CB

June 72

Inheritance of the Elements of Apomixis
in Hybrids of Maize With Tripsacum,
by D. F. Petrov.
RUSSIAN, per, Dok Ak Nauk SSSR. Biol Sci.,
Vol 201, No 4, 1971, pp 961-963.
CB

June 72

Experimental Determination of Geomagnetic
Perception in the European Bel, by
S. I. Gleizer.
RUSSIAN, per, Dok Ak Nauk SSSR. Biol Sci.,
Vol 201, No 4, December 1971, pp 964-967.
CB

June 72

Fine Morphology of Spore Formation in
Clostridium septicum, by I. Sh. Vaisman.
RUSSIAN, per, Dok Ak Nauk SSSR. Biol Sci.,
Vol 201, No 4, December 1971, pp 968-971.
CB

June 72

Electrochemical Characteristics of the
End-Plate Muscle Membrane, by
V. L. Dunin-Barkovskii.
RUSSIAN, per, Dok Ak Nauk SSSR. Biophys.,
Vol 201, No 4, December 1971, pp 972-974.
CB

July 72

Ion Transport Through Phospholipid
Membranes in Carrier Model With the
Inclusion of Stationary Liquid Layers,
by V. S. Markin.
RUSSIAN, per, Dok Ak Nauk SSSR. Biophys.,
Vol 201, No 4, December 1971, pp 975-978.
CB

July 72

Enzymes of Grape Juice and Wine,
by S. P. Avakyan.
RUSSIAN, per, Dok Ak Nauk SSSR. Biochem.,
Vol 201, No 4, December 1971,
pp 979-982
CB

June 72

Effect of Histones on Repair of
Single-Stranded Breaks of DNA by
Polynucleotide Ligase, by
A. I. Gaziev.
RUSSIAN, per, Dok Ak Nauk SSSR. Biochem.,
Vol 201, No 4, December 1971,
pp 983-985
GB

June 72

Properties of Complexes of Urea
With Proteins, by Z. S. Gershenovich.
RUSSIAN, per, Dok Ak Nauk SSSR. Biochem.,
Vol 201, No 4, December 1971,
pp 986-987
CB

June 72

Biochemical Changes in the Growth
Tips of Branches During the Process
of Development of Generative Buds
of Apple Trees, by I. A. Kolomiets.
RUSSIAN, per, Dok Ak Nauk SSSR, Biochem.,
Vol 201, No 4, December 1971,
pp 988-990
CB

June 72

New Products of Transformation of
Deoxycholic Acid by Cultures of
Mycobacterium mucosum 1210, by
L. O. Severina.
RUSSIAN, per, Dok Ak Nauk SSSR, Biochem.,
Vol 201, No 4, December 1971,
pp 991-993
CB

June 72

Photostimulation of Oxidative Activity
in Isolated Plant Peroxisomes, by
A. A. Shakhov.
RUSSIAN, per, Dok Ak Nauk SSSR. Bot Sci.,
Vol 201, No 4, December 1971, pp 994-997.
CB

June 72

Chemoreception in the Black Sea
Dolphin - Tursiops truncatus Mont.,
by V. E. Sokolov.
RUSSIAN, per, Dok Ak Nauk SSSR. Biol Sci.,
Vol 201, No 4, December 1971, pp 998-1000.
CB

June 72

Relationship Between Positive and
Negative Emotional States and Changes
in Blood Cholesterol Level and
Arterial Blood Pressure, by
N. L. Yastrebtseva.
RUSSIAN, per, Dok Ak Nauk SSSR. Biol. Sci.,
Vol 201, No 4, December 1971,
pp 1001-1003.
CB

June 72

Possibility of Enhancing the Endogenous
Inactivation of Corticosteroid
Hormones, by A. G. Rummel'.
RUSSIAN, per, Dok Ak Nauk SSSR. Biol. Sci.,
Vol 201, No 4, December 1971,
pp 1004-1005.
CB

June 72

Effect of Pituitary Hormones and
Elevated Temperature on Replenishment
of Oocytes in the Ruff, by
G. L. Travkina.
RUSSIAN, per, Dok Ak Nauk SSSR. Biol Sci.,
Vol 201, No 4, December 1971,
pp 1006-1008.
CB

June 72

Relationship of Phytoplankton Primary
Production to Biogenic Elements and
Light, by Yu. G. Kabanova.
RUSSIAN, per, Dok Ak Nauk SSSR. Biol Sci.,
Vol 201, No 5, December 1971,
CB

June 72

Waves on the Surface of a Flow of
Finite Depth, Generated by an Under-
water Source, by A. A. Zaitsev, *SAP*.
RUSSIAN, per, Dok Ak Nauk SSSR. Sov Phys,
Vol 201, No 5, December 1971,
pp 1070-1073.
Am Inst of Phys
Vol 16, No 12, June 1972

JPRS 55584

July 72

Theory of Stochastic Particle Acceleration, by A. I. Akhiezer.
RUSSIAN, per, Dok Ak Nauk SSSR. Sov Phys,
Vol 201, No 5, December 1971,
pp 1074-1077.
Am Inst of Phys
Vol 16, No 12, June 1972

July 72

Definition of Energy-Momentum in the
General Theory of Relativity, by
V. A. Zhelnorovich,
RUSSIAN, per, Dok Ak Nauk SSSR. Sov Phys,
Vol 201, No 5, December 1971,
pp 1078-1081.
Am Inst of Phys
Vol 16, No 12, June 1972

July 72

Charging of Dielectric Particles in
a Vibrofluidized Bed, by
N. N. Dolgoplov.
RUSSIAN, per, Dok Ak Nauk SSSR. Sov Phys,
Vol 201, No 5, December 1971,
pp 1082-1083.
Am Inst of Phys
Vol 16, No 12, June 1972

July 72

Parallel Vector Method for Deciphering
the Vector Set in Terms of Peaks of
the Fedorov Group P1, by E. A. Kus'min.
RUSSIAN, per, Dok Ak Nauk SSSR. Sov Phys,
Vol 201, No 5, December 1971,
pp 1092-1094.
Am Inst of Phys
Vol 16, No 12, June 1972

July 72

Crystal Structure of LaTaO_4 , by
T. A. Kurova.
RUSSIAN, per, Dok Ak Nauk SSSR. Soy Phys,
Vol 201, No 5, December 1971,
pp 1095-1098.
Am Inst Of Phys
Vol 16, No 12, June 1972

July 72

Structure and Relaxation in Elastomers,
by G. M. Bartenev.
RUSSIAN, per, Dok Ak Nauk SSSR. Phys Chem.,
Vol 201, No 5, December 1971, pp 1130-33.
CB

June 72

Temperature Dependence of the Adsorption
Selectivity Coefficient of H_2 and D_2
on NaA Zeolite Taking Into Account the
Ortho-, Para-Composition, by
Yu. P. Blagoi.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem.,
Vol 201, No 5, December 1971,
pp 1134-1137.
CB

June 72

Formation of Paramagnetic Centers in
Green Leaves by the Action of Light
of Wavelengths Greater Than 725 mp,
by R. Bokhman.

RUSSIAN, per, Dok Ak Nauk SSSR. Phys Chem.,
Vol 201, No 5, December 1971,
pp 1138-1139.

CB

June 72

X-Ray Studies of the Conversion of
Acrylamide and Propionamide at High
Pressure in Conjunction With Deforma-
tion Shear, by L. A. Bykovskaya.
RUSSIAN, per, Dok Ak Nauk SSSR. Phys Chem.,
Vol 201, No 5, December 1971,
pp 1140-1142.
CB

June 72

Influence of the Oriented Polymeriza-
tion Effect on the Magnitude of the
Total Activation Energy of the
Radiation Polymerization Process From
the Gaseous Phase on Polymer Bases,
by A. V. Vlasov.
RUSSIAN, per, Dok Ak Nauk SSSR, Phys Chem.,
Vol 201, No 5, December 1971,
pp 1143-1144.
CB

June 72

Complex Compounds of Indium and Cerium
(III) and Aromatic Schiff Bases, by
E. P. Traillina.
RUSSIAN, per, Dok Ak Nauk SSSR. Phys. Chem.,
Vol 201, No 5, December 1971,
pp 1145-1148.
CB

June 72

The Fractionation of Carbon Isotopes
in the Physicochemical Synthesis of
Diamond From Gas, by D. V. Fedoseev.
RUSSIAN, per, Dok Ak Nauk SSSR. Phys Chem.,
Vol 201, No 5, December 1971,
pp 1149-1150.
CB

June 72

Pulse Radiolysis of Aqueous Solutions
Saturated With Nitrous Oxide and
Hydrogen, by T. A. Frunze.
RUSSIAN, per, Dok Ak Nauk SSSR. Phys Chem.,
Vol 201, No 5, December 1971,
pp 1151-1153.
CB

June 72

Influence of the Reaction Between
Copper Complexes and the Solvent on
the Electron Spin Resonance Spectra
in Solution, by A. A. Shklyayev.
RUSSIAN, per, Dok Ak Nauk SSSR. Phys Chem.,
Vol 201, No 5, December 1971,
pp 1154-1157.
CB

June 72

NMR Study of the Complex Formation
During the Stereospecific Propylene
Oxide Polymerization, by A. N. Shupik.
RUSSIAN, per, Dok Ak Nauk SSSR. Phys Chem.,
Vol 201, No 5, December 1971,
pp 1158-1161.
CB

June 72

Peculiarities of the Mechanism of the
Catalytic Action of Amines in Reactions
of Hydrogen Transfer, by V. V. Yushina.
RUSSIAN, per, Dok Ak Nauk SSSR. Phys Chem.,
Vol 201, No 5, December 1971,
pp 1162-1163.
CB

June 72

The Effect of the State of Aggregation
of Rubbers on the Rate of Radiational
Conversions, by S. I. Bol'shakova.
RUSSIAN, per, Dok Ak Nauk SSSR,
Chem Tech., Vol 201, No 5, 1971,
pp 1164-1166.
CB

June 72

A Study by the Methods of Scanning
Electron and Optical Microscopy of
the Crystallization Structure of
Mineral Binding Agents Undergoing
Hardening in the Zone of Contact With
Fillers, by T. Yu. Lyubimova.

RUSSIAN, per, Dok Ak Nauk SSSR,
Chem Tech., Vol 201, No 5, 1971,
pp 1167-1169.

CB

June 72

Meiotic Characteristics of Females in
a Sex-Marked Strain of the Silkworm,
(*Bombyx mori* L.), by V. N. Vereiskaya.
RUSSIAN, per, Dok Ak Nauk SSSR. Biol Sci.,
Vol 201, No 5, December 1971,
pp 1219-1222.
CB

June 72

Obtaining Silkworm Hybrids Whoseova
Can be Separated Into White (Female)
and Dark (Male), by V. A. Strunnikov.
RUSSIAN, per, Dok Ak Nauk SSSR. Biol Sci.,
Vol 201, No 5, December 1971,
pp 1223-1226.
CB

June 72

Synthesis of Galactosyldiglyceride,
by A. I. Bashkatova.
RUSSIAN, per, Dok Ak Nauk SSSR. Biochem.,
Vol 201, No 5, December 1971,
pp 1231-1233
CB

June 72

Kinetic Principles of DNA Decomposition
in Spleen Homogenates During
Development of Transplanted La
Leukemia, by G. N. Bogdanov.
RUSSIAN, per, Dok Ak Nauk SSSR. Biochem.,
Vol 201, No 5, December 1971,
pp 1234-1236
CB

June 72

Formation of Complex Compounds During
Stabilization of Betacyanogens by
Polyphenol Compounds, by
M. A. Bokuchava.
RUSSIAN, per, Dok Ak Nauk SSSR. Biochem.,
Vol 201, No 5, December 1971,
pp 1237-1239
GB

June 72

Two Differently Regulatable
Decarboxylase Isoenzymes of MESO-a,
-Diaminopimelic Acid in the Lysine
Accumulating Bacterium
Brevibacterium-22, by Z. S. Kagan.
RUSSIAN, per, Dok Ak Nauk SSSR. Biochem.,
Vol 201, No 5, December 1971,
pp 1240-1243
GB

June 72

Induction of Chloroplast and
Chromatophore Fluorescence Under
Reducing Conditions, by
N. V. Karapetyan.
RUSSIAN, per, Dok Ak Nauk SSSR. Biochem.,
Vol 201, No 5, December 1971,
pp 1244-1247
CB

June 72

Mycolic Acids of Mycobacterium
paraffinicum, by N. A. Krasil'nikov.
RUSSIAN, per, Dok Ak Nauk SSSR. Biochem.,
Vol 201, No 5, December 1971,
pp 1248-1251
CB

June 72

Effect of Light on Glutamate De-
hydrogenase Isoenzymes on Pea
Germinants, by V. L. Kretovich.
RUSSIAN, per, Dok Ak Nauk SSSR, Biochem.,
Vol 201, No 5, December 1971,
pp 1252-1254
CB

June 72

Effect of Lithium Chloride on
Distribution of Li^+ , and Na^+ in
the Central Nervous System, by
A. S. Saratikov.
RUSSIAN, per, Dok Ak Nauk SSSR. Biochem.,
Vol 201, No 5, November 1971,
pp 1255-1256
CB

June 72

Reaction of Deepoxidation Xanthophylls
to the Electron Transport Cycle of
Photosynthesis, by V. S. Saakov.
RUSSIAN, per, Dok Ak Nauk SSSR. Bot Sci.,
Vol 201, No 5, December 1971,
pp 1257-1260.
GB

June 72

The Pathogenetic Role of Ischemic
Toxin, by T. M. Oksman.
RUSSIAN, per, Dok Ak Nauk SSSR. Biol Sci.,
Vol 201, No 5, December 1971,
pp 1261-1264.
CB

June 72

Refinements of the Masses of the Earth
and the Moon From Observations of the
Motion of the Automatic Interplanetary
Stations "Venera-4," "Venera-5,"
"Venera-6," and "Verera-7" as They
Departed From Earth, by E. L. Akim.
RUSSIAN, per, Dok Ak Nauk SSSR. Sov Phys.
Vol 201, No 6, December 1971,
pp 1303-1306.
Am Inst of Phys
Vol 16, No 12, June 1972

July 72

Breakdown of a Periodic Wave in
Weakly Dispersive Media, by
V. I. Petviashvili.
RUSSIAN, per, Dok Ak Nauk SSSR. Sov Phys,
Vol 201, No 6, December 1971,
pp 1307-1309.
Am Inst of Phys
Vol 16, No 12, June 1972

July 72